AMENDMENT TO THE CLAIMS

A detailed listing of all the pending claims, as amended, is provided below. A status identifier is provided for each claim in a parenthetical expression following each claim number.

1-5. (Cancelled).

6. (Currently Amended) A method of adding a device to a UPnP network, comprising:

retrieving, at a control point in the UPnP network, a device description associated with the UPnP device;

invoking, at the control point, a first authentication process to authenticate the device with the control point;

retrieving, at the control point, a service description associated with the device; and

retrieving, at the control point, a presentation page associated with the device, wherein the first authentication process comprises

receiving a certificate from the device;

authenticating the device using the certificate; and

sending a certificate from the control point to the device for the device to authenticate the control point.

7. (Original) The method of claim 6, wherein upon connection to the UPnP network the device multicasts information about itself to a predetermined address.

8. (Original) The method of claim 7, wherein the control point uses the information multicast by the device to retrieve the device description.

9. (Cancelled).

10. (Currently Amended)   The method of claim 9, wherein the first authentication process further comprises:

~~sending a certificate from the control point to the device; and~~

  using the certificate at the device to authenticate the control point with the device.

11. (Currently Amended)   The method of claim <u>6</u> ~~9~~, wherein the certificate includes a public key associated with the device.

12. (Currently Amended)   The method of claim <u>6</u> ~~9~~, wherein the certificate is issued by a certificate authority and includes a public key associated with the certificate authority.

13. (Original) The method of claim 10, wherein sending the certificate from the control point to the device comprises:

  loading the certificate onto a memory module; and

  transferring the certificate from the control point to the device on the memory module.

14. (Original) The method of claim 6, wherein the device invokes a second authentication process to authenticate the control point with the device.

15. (Original) The method of claim 14, wherein the second authentication process comprises transmitting a PIN/password from the control point to the device.

16. (Original) The method of claim 15, wherein the PIN/password comprises:

a credential; and

a hash of a certificate sent from the device to the control point.

17. (Currently Amended) A method of adding a control point to a UPnP network, comprising:

transmitting a search request multicast from the control point to a predetermined network address;

receiving a response to the multicast from at least one device in the UPnP network, wherein the response includes an indicator requesting a secure communication between the device and the control point;

invoking, at the control point, a first authentication process to authenticate the device with the control point;

retrieving, at the control point, a device description associated with the UPnP device

retrieving, at the control point, a service description associated with the device; and

retrieving, at the control point, a presentation page associated with the device, wherein the first authentication process comprises

receiving a certificate from the device, and authenticating the device using the certificate, and

sending a certificate from the control point to the device for the device to authenticate the control point.

18. (Cancelled).

19. (Currently Amended)   The method of claim 17 ~~18~~, wherein the first authentication process further comprises:

~~sending a certificate from the control point to the device; and~~

using the certificate at the device to authenticate the control point with the device.

20. (Currently Amended)   The method of claim 17 ~~18~~, wherein the certificate includes a public key associated with the device.

21.   (Currently Amended) The method of claim 17 ~~18~~, wherein the certificate is issued by a certificate authority and includes a public key associated with the certificate authority.

22. (Original) The method of claim 19, wherein sending the certificate from the control point to the device comprises:

loading the certificate onto a memory module; and

transferring the certificate from the control point to the device on the memory module.

23. (Original) The method of claim 17, wherein the device invokes a second authentication process to authenticate the control point with the device.

24. (Original) The method of claim 20, wherein the second authentication process comprises transmitting a PIN/password from the control point to the device.

25. (Currently Amended)   The method of claim 21 24, wherein the PIN/password comprises:

a credential; and

a hash of a certificate sent from the device to the control point.